adbri MASONRY

an ADBRI company

VERSAWALL®

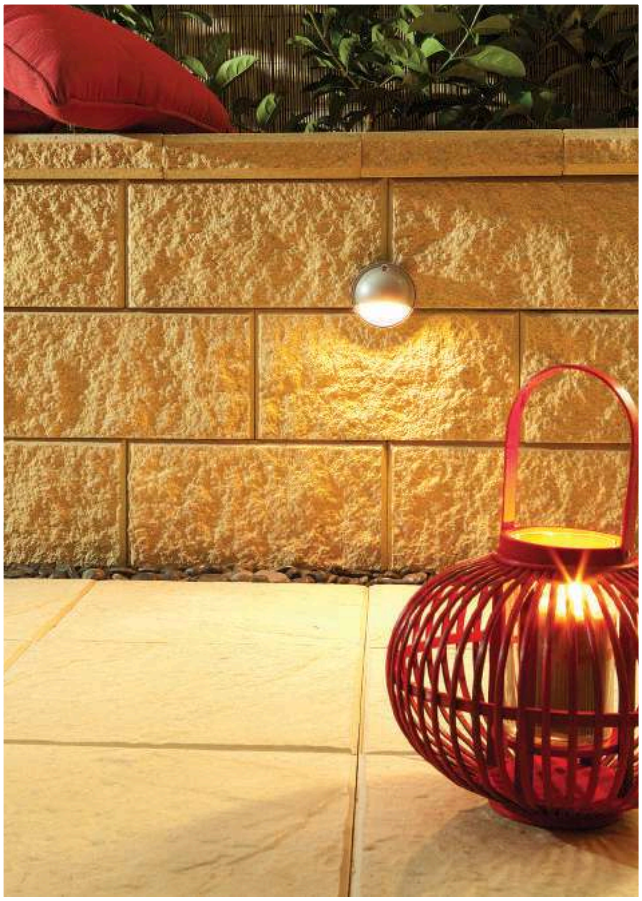
RETAINING WALL SYSTEM

RECOMMENDED FOR

Garden Steps | Landscaped Walls | Engineered Walls | Vertical Walls | Gentle Curves | Planter boxes

Versawall®

The Versawall® system is a unique interlocking retaining wall perfect for constructing pure vertical DIY walls and planter boxes to 800mm in height or up to 1400mm with engineering and No Fines Concrete.



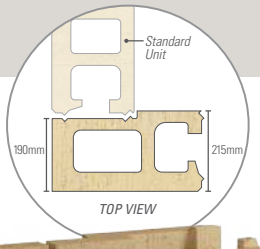
Reasons to choose Versawall®

- ✓ Quick and easy to build with - no need for mortar
- ✓ Interlocking lugs and grooves make it easier to stack wall blocks together
- ✓ Pure vertical – space saving perfect for projects where space is tight
- ✓ Can be laid onto Torpedo™ Base Blocks for easy installation
- ✓ Specialty corner units for easy 90 degree corners and wall ends
- ✓ Speciality caps for a neat finish
- ✓ Gentle curves can be created
- ✓ Can be built up to 1400mm high with No Fines Concrete*

*Check local council regulations around engineering and certification requirements for retaining walls in your area.

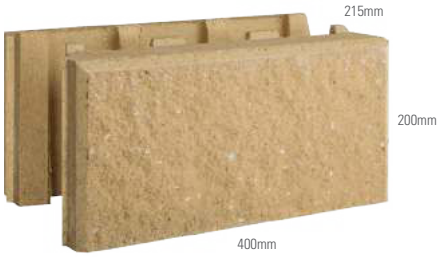
TIP
To finish walls, remove lugs from top course with bolster and glue down capping unit.

Scan to watch how.

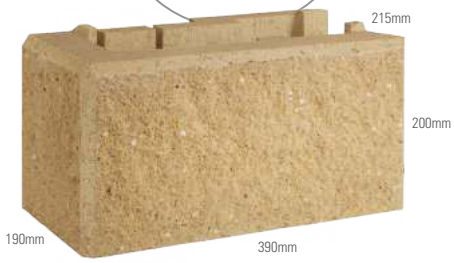


AVAILABLE SIZES

Versawall® Cap
3.3 units per lineal metre



Versawall® Standard Unit
12.5 units per m²



Versawall® Corner Unit
Left and right corner available

Maximum non reinforced height 800mm+Cap (4 courses) or up to 1400mm with No Fines Concrete

COLOUR OPTIONS

OATMEAL

SUNSTONE

CHARCOAL

Whilst these swatches provide a good indication of the products colour, you should always sight product samples before use. Due to natural variations in aggregates, colours may vary.

Versawall® builds strong retaining walls

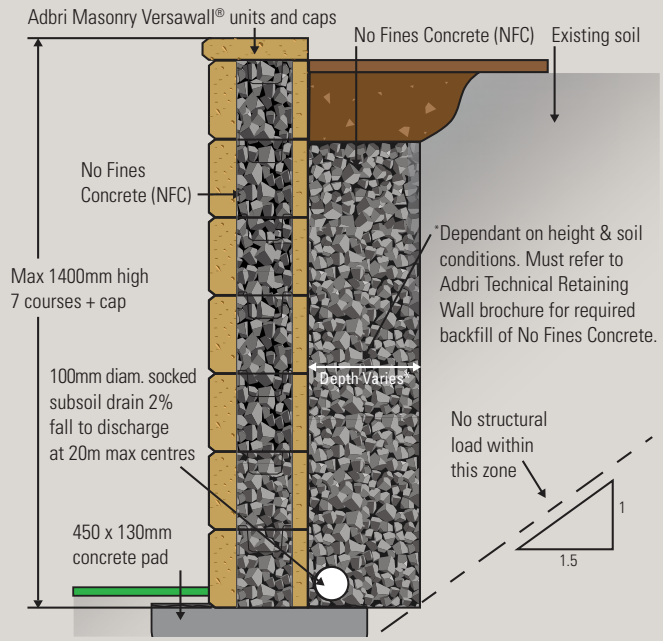
Retaining sloped land is the most common application for Versawall® blocks. With space in our yards at a premium, the opportunity to level out sloping blocks creates flat land which can be better utilised by your family. As Versawall® blocks can be built to 800mm in height without concrete footings, mortar, glue or additional engineering, reclaiming value from your land has never been easier. With engineering and council approvals, Versawall® retaining walls can be built to 1400mm in height pure vertical with the use of No Fines Concrete. To further ensure you're making use of valuable land, Versawall® is pure vertical meaning it takes up less space in the yard than traditional set back retaining walls.

CROSS SECTIONS

GRAVITY WALLS TO 800MM IN HEIGHT

NOTE: Allow minimum 50mm embedment to cover leveling pad

REINFORCED NO FINES CONCRETE WALLS TO 1400MM IN HEIGHT

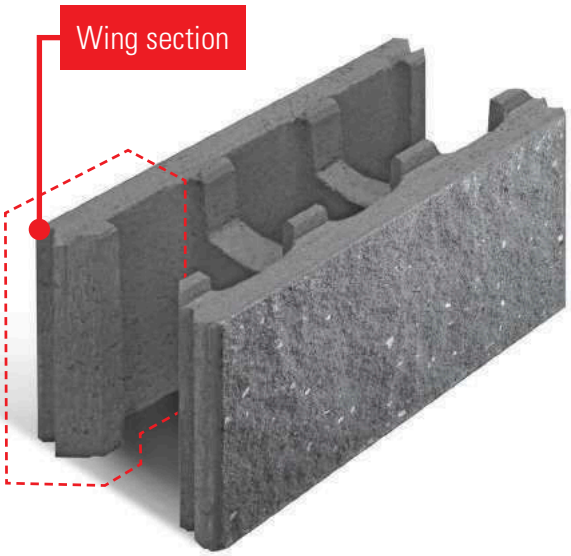


Create curved walls with Versawall®

In addition to constructing straight walls and 90 degree corners, Versawall® can be used to create walls with gentle and gradual curves.

To create curves as shown above use a mallet to simply knock off the back right hand "wing" of blocks on the first course, and then the back left hand wing on the next course. Repeat to your finished wall height, infilling and backfilling with aggregate as you go!

Search:
'How to curve Versawall®'
on our YouTube channel

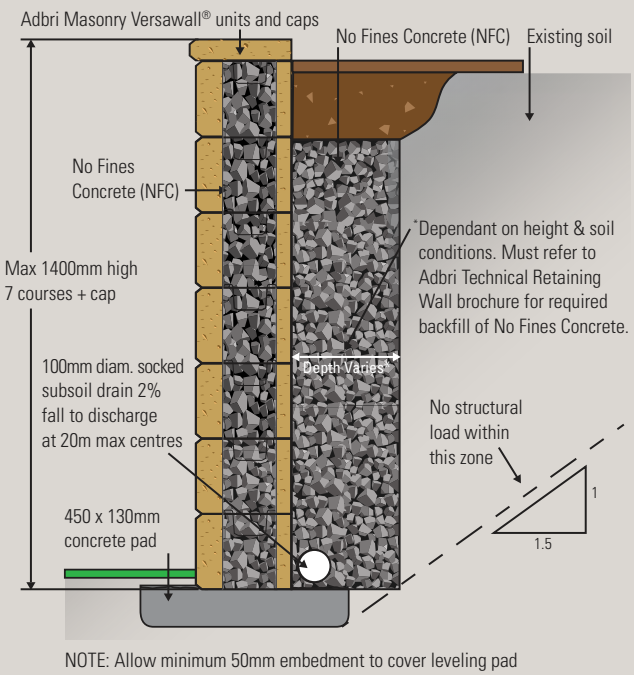


Build vertical walls up to 1400mm high

Versawall® can be used to construct pure vertical retaining walls to 1400mm in height on a concrete levelling pad with the use of No Fines Concrete. The ability to construct vertical walls in excess of 1 metre high ensures Versawall® can be utilised in a variety of project applications including sub divisions, terraced walls and for engineered and heavy commercial retaining applications.

A significant advantage for all housing estates, the Versawall® No Fines Concrete solution can also be designed to accommodate a fence sitting 'atop' of the retaining wall by embedding PVC post holes within the No Fines Concrete (inset image above).

CROSS SECTION

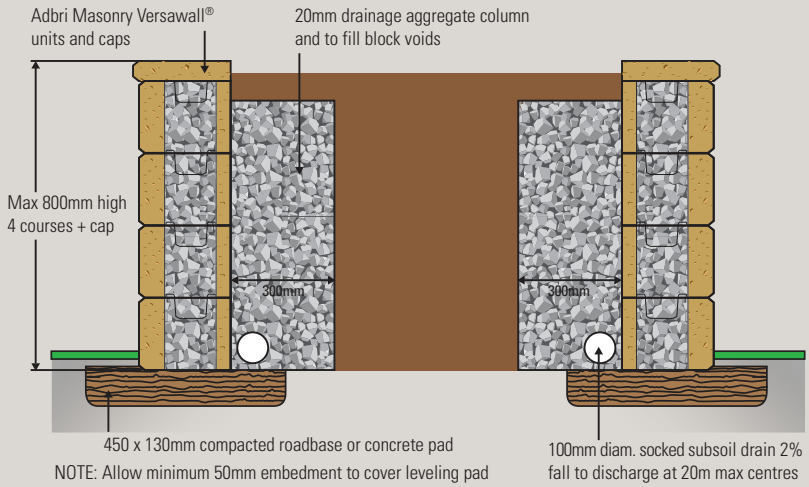


NOTE: Allow minimum 50mm embedment to cover leveling pad

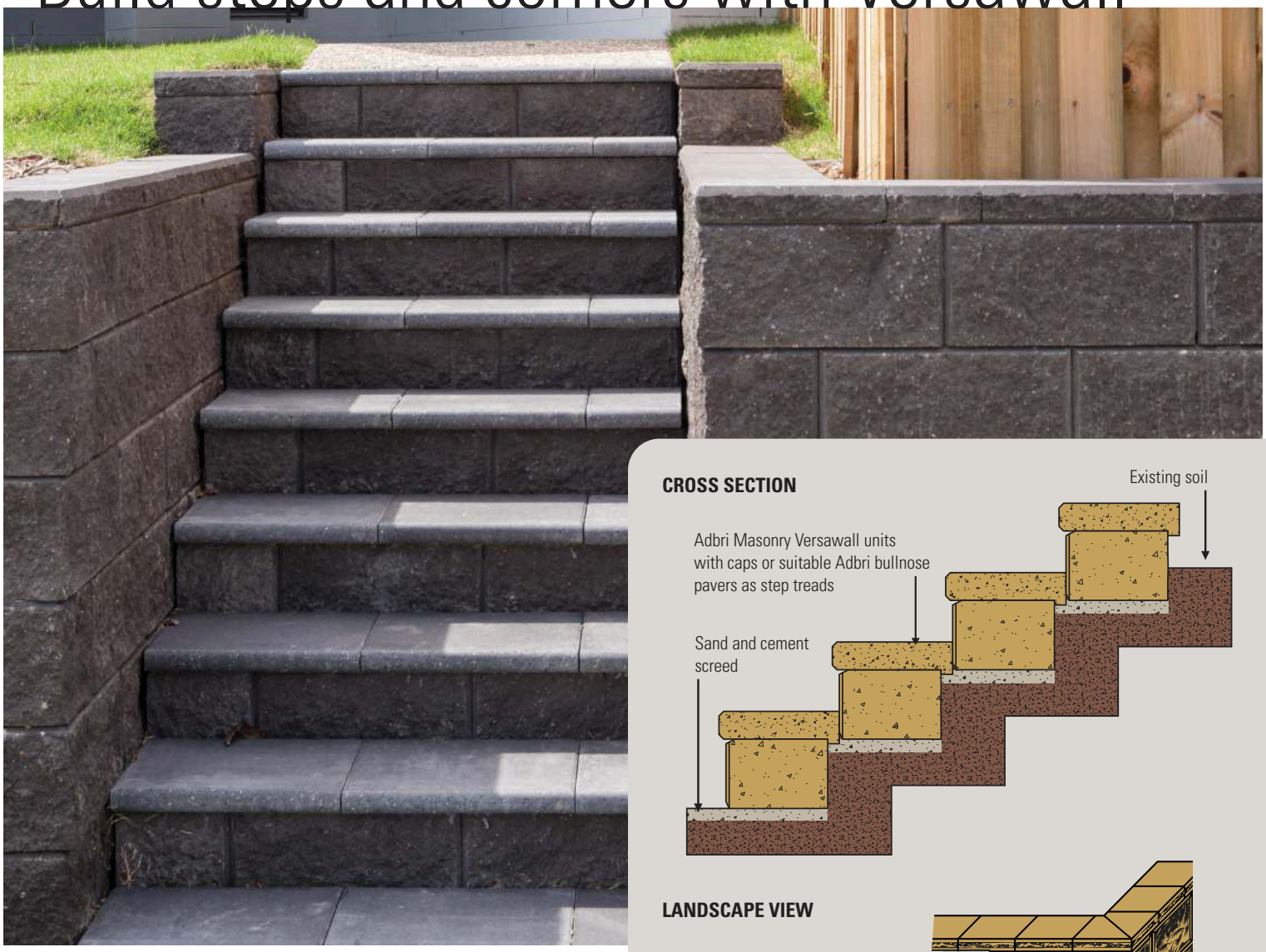
DIY veggie gardens and planter boxes

Use Versawall® to create veggie patches gardens, and flower beds in your yard. Vegetable gardens are great way to get the entire family involved in home DIY projects, they're delicious and can save you money. Planting flowers or veggies in a Versawall® planter box allows you to bring in premium quality soils to your backyard and adds freshness and style to your home. Vertical walls can be built in front of existing fences to create garden beds or you can construct freestanding square or rectangular planter boxes which can be easily accessed from all sides.

CROSS SECTION

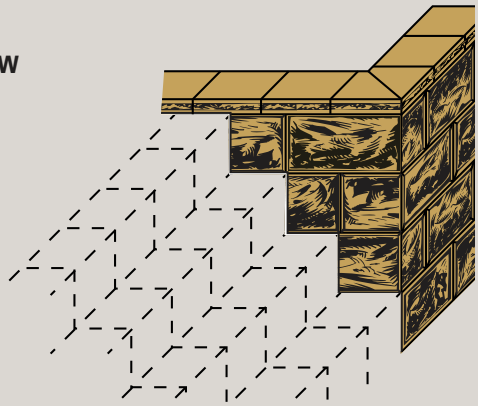


Build steps and corners with Versawall®

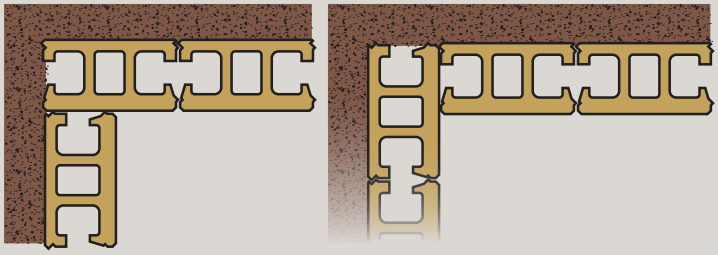


CROSS SECTION

LANDSCAPE VIEW



INTERNAL CORNERS



FIRST COURSE

SECOND COURSE

Versawall® blocks can be used to create steps in your project ensuring seamless integration between your retaining wall and steps. Use blocks to create the steps and use the capping unit or a sharknose / bullnose Adbri paver for the step tread.

CREATING INTERNAL CORNERS WITH VERSAWALL

The specialty corner blocks are the perfect interlocking solution for external corners, but your project may call for an internal corner too. This is achieved by using the Standard Versawall® units butted up together in a stretcher bond pattern. The blocks will be interlocked to each other and will be restrained at the corner by the first full block of the wall perpendicular to it. Don't forget to knock the lugs off with a hammer in the corners to ensure they sit evenly on top of each other.

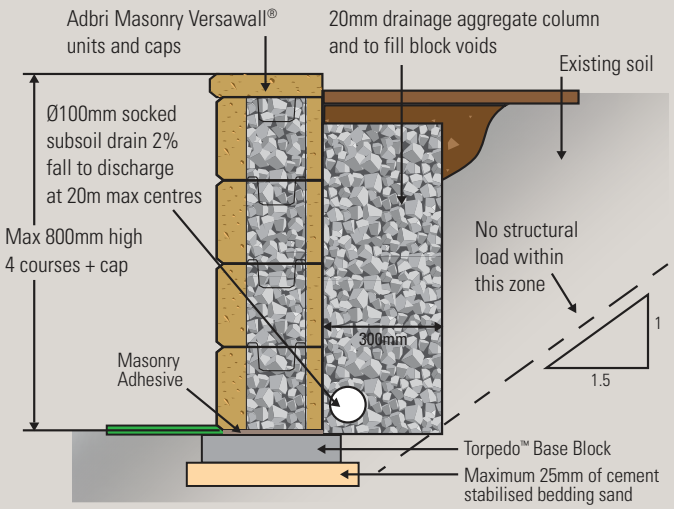
Need an easy wall foundation? Use Torpedo™ Base Block

The preparation and base installation of any retaining wall is the most important and time consuming part of the project. The Torpedo™ Base Block is the quickest and easiest way to take the challenge and guesswork out of creating your wall footing. Torpedo™ replaces the need for roadbase and is laid on top of cement stabilised bedding sand. Versawall® blocks (or other retaining wall blocks) can then be adhered directly on top of the Torpedo™ units using a landscape grade adhesive.

Learn more at adbrimasonry.com.au or watch our YouTube video at: *youtube.com/adbrimasonryAUS*

NOTE: Torpedo™ is only suitable to use in footings for unreinforced gravity retaining walls constructed to the maximum heights outlined by Adbri Masonry.

CROSS SECTION



How to build a Versawall® retaining wall

Before you start, check with your local council regulations regarding retaining wall heights and requirements for engineering / certification.

To see instructional video of landscaping expert Jason Hodges building a Versawall® retaining wall visit: **www.youtube.com/adbrimasonryaus**

STEP 1
MARKING OUT

Using marking paint and a string line, locate and mark out the line of your wall.

STEP 2
EXCAVATION

Remove turf and soil for the trench of your retaining wall to a depth of approximately 175mm (if using a flexible base). Make the trench 400mm wide to allow you to fit a small plate compactor into the trench to compact the roadbase footing.

TIP: Always call Dial Before You Dig on 1100 before excavating.

STEP 3
PREPARING THE FOOTING

There are 3 footing types:

1. Compacted Road Base
2. Torpedo™ Base Block
3. Concrete levelling Pad

This project step by step guide shows wall construction using a compacted road base and sand and cement footing.

With your trench excavated, bring in the roadbase and use a plate compactor to compact to a depth of 100mm (don't forget hearing protection). Then, using a damp sand and cement mix, screed a level bedding sand layer no more than 25mm thick. Check your screed for level lengthways along the trench and then front to back.

STEP 4
LAYING THE FIRST COURSE

Before you start laying blocks you will need to determine your walls starting point. Then set up a string line using two stakes to mark the line where you will lay the first course of blocks.

Using your string line as a guide gently place the blocks onto the prepared base. Check that the block is level side to side and front to back and then continue laying blocks ensuring the fronts of blocks are equidistant from the string line and the wall height is the same along the length of the wall.

STEP 5
INFILL AND BACKFILL WITH AGGREGATE

It's vital that you infill the cores in each block with free draining aggregate such as blue metal.

You must also back fill with the same aggregate behind your wall to form a drainage column.

STEP 6
DRAINAGE AGPIPE

It's imperative your wall does not have water pressure massing behind it. Install a drainage agpipe at the bottom of your wall to divert water away from the back of your wall.

NOTE: Water must not be directed into your neighbours property.

STEP 7
LAYING ADDITIONAL COURSES

Continue laying blocks using the locating lugs on top of the course below to stack blocks. Your wall must use a stretcher bond pattern so the blocks are offset and do not sit directly on top of the one below (pictured).

To ensure your blocks sit evenly, in between each course use a brush to remove debris from the tops of the blocks, this will help ensure your next course sits level. With each course you build, remember to use free draining aggregate to infill the blocks and backfill behind the wall.

STEP 8
APPLY CAPPING UNITS

To finish your Versawall® project, you will need to fix down capping units. Use a landscape grade adhesive to run a continuous line of glue along the front and back of the top course of blocks and then firmly place down caps.

TIP
To finish walls, remove lugs from top course with bolster and glue down capping unit.
Scan to watch how.

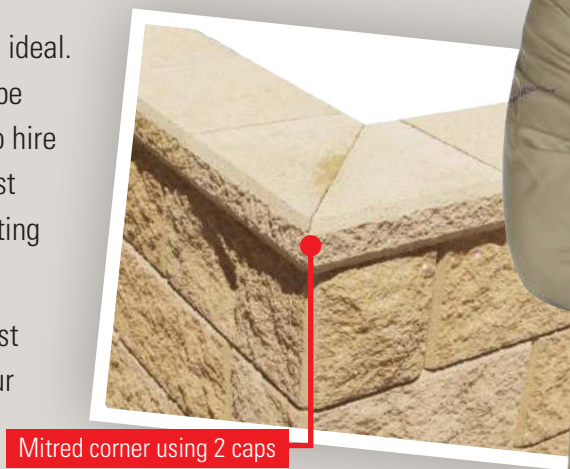
FINISHING TIP

GET YOUR VERSAWALL® CORNER CAPPING PERFECT!

To neatly finish a Versawall® corner, the capping units will need to be 'mitred' which creates the best finished visual for your wall.

To achieve a perfect mitre, a brick saw / wet saw is ideal. In the best case scenario, you can ask your landscape supply yard or a tradie mate to assist. If you need to hire a wet saw, you must also have hearing, eye and dust protection, and be comfortable and confident operating machinery!

Check out our YouTube video on this step for the best advice. Simply search "create mitred corners" on our YouTube channel.



BRICKS | BESSER® BLOCKS | PAVERS | RETAINING WALLS

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adbrimasonry.com.au **1300 365 565** enquiries@adbri.com.au

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Versawall® Brochure
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